

NEW SPECIES OF VOLUTE.

*Voluta Sophia.* Shell ovate, ventricose, white with minute red dots, and a few series of irregular red spots; last whorl ventricose, with a series of large conical tubercles behind; spire very short; the apex rather produced, rounded, crenulated.

*Hab.* North Australia, Endeavour Sound.

This species is most like *Voluta cymbiola*, but much more ventricose and shorter. The spire of the older specimen is covered with a callous secretion.—J. E. GRAY.

METEOROLOGICAL OBSERVATIONS FOR OCT. 1846.

*Chiswick.*—October 1. Foggy: fine: overcast. 2. Hazy: very fine: rain. 3, 4. Very fine. 5. Cloudy. 6. Overcast: rain. 7. Fine: rain. 8. Clear: cloudy: rain. 9. Rain. 10. Boisterous: rain. 11. Fine: rain. 12. Foggy. 13. Slight rain: cloudy: clear. 14. Densely overcast: heavy rain. 15. Rain: cloudy: clear. 16. Clear: fine: rain at night. 17. Slight fog. 18. Heavy and continued rain. 19. Foggy: cloudy and fine: clear. 20. Hazy: very fine: clear. 21. Heavy rain: boisterous. 22. Cloudy: boisterous. 23. Fine: clear: slight frost at night. 24. Rain: fine: rain. 25. Cloudy. 26. Foggy. 27. Hazy: fine: foggy at night. 28. Dense fog. 29. Cloudy: slight rain. 30. Hazy: overcast: clear. 31. Foggy.

Mean temperature of the month .....	50°·37
Mean temperature of Oct. 1845 .....	49 °96
Average mean temperature of Oct. for the last twenty years ..	50 °43
Average amount of rain in Oct. ....	2·58 inches.

*Boston.*—Oct. 1. Fine. 2. Cloudy and foggy: rain A.M. and P.M. 3. Cloudy. 4. Fine. 5. Cloudy: rain P.M. 6. Fine. 7, 8. Cloudy: rain early A.M. 9. Rain: rain early A.M.: rain A.M. 10. Stormy. 11. Fine: rain P.M. 12. Cloudy: rain P.M. 13. Windy. 14. Rain: rain A.M. and P.M. 15. Fine. 16. Fine: rain early A.M. 17. Cloudy: rain early A.M. 18. Cloudy: rain A.M. and P.M. 19. Fine. 20. Rain: rain early A.M. 21. Rain and stormy: rain early A.M.: rain A.M. 22. Cloudy: rain P.M. 23. Cloudy. 24. Rain: rain early A.M. 25. Fine. 26—28. Foggy. 29. Cloudy. 30, 31. Foggy.—The past month has been an extraordinary moist one.

*Sandwick Manse, Orkney.*—Oct. 1, 2. Cloudy: clear. 3. Bright: clear. 4, 5. Bright: hazy. 6. Cloudy: rain. 7. Clear: hazy: aurora. 8. Bright: clear. 9. Bright: rain. 10. Rain: cloudy. 11. Bright: rain. 12. Cloudy: showers. 13. Cloudy. 14. Rain. 15. Rain: showers: aurora. 16. Bright: clear: aurora. 17. Fine: damp. 18. Bright: cloudy. 19. Rain: cloudy: aurora. 20. Bright: cloudy. 21. Cloudy: rain. 22. Bright: showers: aurora. 23. Showers: cloudy. 24. Cloudy: showers: aurora. 25. Bright: clear: aurora. 26. Frost: cloudy. 27. Frost: bright: clear: aurora. 28. Cloudy. 29, 30. Rain: drops. 31. Showers: cloudy.

*Applegarth Manse, Dumfries-shire.*—Oct. 1. Rain A.M.: cleared: fine. 2, 3. Fair and fine. 4. Fair, but raw: threatening. 5. Showers. 6. Violent showers P.M. 7. Violent showers P.M.: thunder. 8. Violent showers P.M. 9. Rain all day. 10. Showers. 11. Rain P.M. 12. Showers. 13. Fine and fair. 14. Heavy rain. 15. Fair and fine. 16. Rain P.M.: thunder. 17. Slight showers. 18. Slight showers P.M. 19. Frequent showers. 20. Showers A.M.: cleared. 21. Showers A.M. 22, 23. Fair. 24. Heavy rain. 25. Fair and clear. 26. Frost: clear. 27. Frost: cloudy. 28. Fair and fine. 29. Slight showers. 30. Rain A.M.: cleared. 31. Slight shower P.M.

Mean temperature of the month .....	49°·5
Mean temperature of Oct. 1845 .....	49 °6
Mean temperature of Oct. for twenty-three years .....	46 °4
Mean rain in Oct. for eighteen years .....	3½ inches.